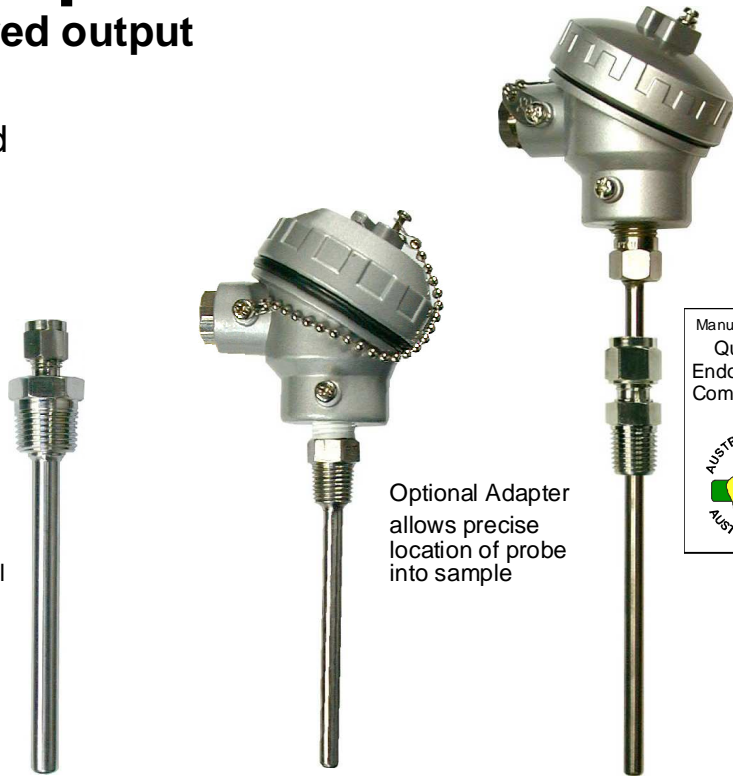


# Innovative Temperature Probes

## 2 wire 4-20mA loop powered output

- Australian made
- 4-20mA 2 wire loop powered
- Compact junction head
- Ideal for interfacing to PLCs
- Standard models or custom to suit your requirements
- 2 year guarantee
- Optional thermowell

P-PW1/2-100S/S1 Thermowell



Optional Adapter allows precise location of probe into sample



The TH3-RT temperature probes are extremely compact and incorporate an electronic circuit which monitors the inbuilt Pt100 (100 Ohm RTD) temperature sensor and converts its value to a 4-20mA output. The temperature range is factory configured to provide optimum accuracy and stability. On board zero and span adjustments allow the calibration to be tuned to match calibration standards or external equipment.

The design of the probes allows insertion into a thermowell - available as an optional accessory, through an optional adapter or into a 1/4" socket. The probe stem is constructed of 316 stainless steel and the head of die cast alloy. Also available to order are thermocouple probes with a 4-20mA output and direct connect RTD and thermocouple probes.

### Ordering Information - Imperial Models

Important when ordering, specify temperature range  
e.g; 0 to 100°C = 4 to 20mA

TH3-RT-Q6-N1	1/4" diameter, 6" stem length
TH3-RT-Q6-Q1	1/4" diameter, 6" stem length, additional 1/4" BSPM threaded
TH3-RT-Q12-N1	1/4" diameter, 12" stem length
TH3-RT-Q12-Q1	1/4" diameter, 12" stem length, additional 1/4" BSPM threaded

### Ordering Information - Optional Adapters

P-SS-400-1-4BT	1/4" probe diameter to 1/4" BSP (male) threaded stainless steel compression fitting
P-PW1/2-100S/S1	Thermowell, 100mm length, 1/2" BSP thread for process insertion and 1/4" compression fitting for probe

### Specifications

Range:	Factory set with the user specified range of -50 to 150°C, zero and span user adjustable
Output:	4-20mA powered by loop current
Accuracy:	Better than 0.1% of FS when calibrated
Linearity:	Better than 0.1%
Thermal drift:	Typically ±20ppm/°C
O/C input:	>20mA output
Protection:	Reverse polarity and over voltage protected
Loop Supply:	11 to 36VDC
Ambient temp:	0-60°C
Humidity:	5-95% non condensing

TH3RT-2.4-0

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